## Listing of the Claims

1. (currently amended) A silicon nitride film formation method, comprising:

heating a substrate to be subjected to film formation to a substrate temperature;

heating a wire to a wire temperature;

supplying silane, ammonia, and hydrogen gases to the heating member; and

forming a conformal silicon nitride film on the substrate.

- 2. (original) The method of claim 1, wherein the substrate temperature is in the range of about 200 400°C.
- 3. (original) The method of claim 1, wherein the wire temperature is in the range of about 1800 2100°C.
- 4. (original) The method of claim 1, further comprising conducting the silicon nitride film formation method at a pressure in the range of about 10 50 millitorr.
- 5. (currently amended) A method for forming a silicon nitride film, comprising:

providing a process chamber,

heating a substrate contained within the process chamber to a substrate temperature;

heating a wire contained within the process chamber to a wire temperature;

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supplying a silicon precursor material to the process chamber; supplying a nitrogen precursor material to the process chamber; supplying a process gas to the process chamber; and forming a conformal silicon nitride film on the substrate.

- 6. (original) The method of claim 5, wherein the silicon precursor material is selected from the group consisting of SiH4, Si<sub>2</sub>H<sub>6</sub>, and SiH<sub>2</sub>Cl<sub>2</sub>.
- 7. (original) The method of claim 5, wherein the nitrogen precursor material is selected from the group consisting of N2 and NH3.
- 8. (original) The method of claim 5, wherein the process gas comprises hydrogen.
- 9. (original) The method of claim 5, wherein the substrate temperature is in the range of about 200 - 400°C.
- 10. (original) The method of claim 5, wherein the wire temperature is in the range of about 1800 - 2100°C.
- 11. (original) The method of claim 5, further comprising conducting the silicon nitride film formation method at a pressure in the range of about 10 - 50 millitorr.
- 12. (withdrawn) Apparatus for forming a silicon nitride film on a substrate, comprising:

a process chamber;

a substrate heater positioned within said process chamber, said substrate heater configured to receive the substrate;

a wire positioned within said process chamber;

- a supply of nitrogen precursor material operatively associated with said process chamber; and
- a supply of process enhancement gas operatively associated with said process chamber.
- 13. (withdrawn) The apparatus of claim 12, wherein the silicon precursor material is selected from the group consisting of SiH<sub>4</sub>, Si<sub>2</sub>H<sub>6</sub>, and SiH<sub>2</sub>Cl<sub>2</sub>.
- 14. (withdrawn) The apparatus of claim 12, wherein the nitrogen precursor material is selected from the group consisting of N<sub>2</sub> and NH<sub>3</sub>.
- 15. (withdrawn) The apparatus of claim 12, wherein the process gas comprises hydrogen.
- 16. (withdrawn) Apparatus for forming a silicon nitride film on a substrate, comprising:

a process chamber;

heating means positioned within said process chamber for heating the substrate to a substrate temperature;

a wire positioned within said process chamber;

means for providing a silicon precursor material to said process chamber;

means for providing a nitrogen precursor material to said process chamber; and

means for supplying a process enhancement gas to said process chamber.

- 17. (withdrawn) The apparatus of claim 16, wherein said means for providing a silicon precursor material to said process chamber comprises means for providing SiH<sub>4</sub> to said process chamber.
- 18. (withdrawn) The apparatus of claim 16, wherein said means for providing a nitrogen precursor material to said process chamber comprises means for providing NH<sub>3</sub> to said process chamber.
- 19. (withdrawn) The apparatus of claim 16, wherein said means for supplying a process enhancement gas to said process chamber comprises means for providing H2 to said process chamber.
- 20. (new) The method of claim 1, wherein the conformal silicon nitride film has a highly uniform thickness.
- 21. (new) The method of claim 1, wherein the conformal silicon nitride film has a highly uniform thickness on all side portions.
- 22. (new) The method of claim 1, wherein the conformal silicon nitride film exhibits step coverage of very small-scale features on the substrate.
- 23. (new) The method of claim 1, wherein the conformal silicon nitride film has a highly uniform thickness providing about 100% step coverage.
- 24. (new) The method of claim 5, wherein the conformal silicon nitride film has a highly uniform thickness.
- 25. (new) The method of claim 5, wherein the conformal silicon nitride film has a highly uniform thickness on top, bottom, and side portions.

- 26. (new) The method of claim 5, wherein the conformal silicon nitride film exhibits step coverage of very small-scale features on the substrate.
- 27. (new) The method of claim 5, wherein the conformal silicon nitride film has a highly uniform thickness providing about 100% step coverage.